

PETROVICH, Nikolay Petrovich; KOROTKIY, G.G., otv. red.;
MAKSAKOVA, A.I., red.

[Communication channels with phase keying] Kanaly sviazi
s fazovoi manipuliatsiei. Moskva, Red.-izd-skii otdel
Vses. zaochnogo elekrotekhn. in-ta sviazi, 1962. 61 p.
(MIRA 17:8)

POLYKOVSKIY, Andrey Markovich; KOROTKIY, G.G., otv. red.; SILINA,
M.Z., red.

[Frequency stabilization in radio relay communication lines]
Stabilizatsiya chastoty na radioreleinykh liniakh sviazi.
Moskva, Red.-izd. otdel Vses. zaochnogo elekrotekhn. in-ta
sviazi, 1963. 19 p. (MIRA 18:3)

KOROTKIY, G.C.; POLYKOVSKIY, A.M., otv. red.; ALEKSEYEVA, T.D.,
red.

[Automatic control and reservation in radio relay lines]
Avtomatizatsiya i rezervirovanie radioreleinykh linii
sviazi. Moskva, Red.-izd. otdel Vses. zaochnogo elektro-
tekhn. in-ta sviazi, 1963. 29 p. (MIRA 18:4)

KOROTKIY, G.P.

Automatic control of holding and compartment furnace gates.
Biul. TSIICHM no.1:41-43 '61. (MIRA 14:9)

1. Zavod imeni K. Libknekhta.
(Furnaces, Heating—Equipment and supplies)
(Hydraulic control)

KOROTKIY, G.P., inzh.; FILONENKO, I.S., inzh.

Automation of a seven-roll straightener. Mekh.i avtom.proizv.
16 no.9:11-13 S '62. (MIRA 15:9)
(Pipe mills) (Automation)

KOROTKIY, I. I.

25640 KOROTKIY, I. I. ikhtiofauna vodoemov sistembi Protochi Trudy In-ta
gidrobiologii (Akad. nauk Ukr. SSR), No. 24, 1949, s. 32-40--Na ukr.
yaz.--Rezyume na. rus. yaz.--Bibliogr: 7 nazv.

SO: Letopis' Zhurnal Nykh Statey, Vol. 34 Moskva, 1949

KOROTKIY, I. I.

5427. Opredelitel' plesnovodnykh ryb USSR. (V pomoshch' uchitelyu). Kiyev, "Rad. shkola", 1954. 308 s. s. ill.; 8 l. ill. 22cm. 10,000 eks. 5 r. 65K. V per.—
(55-185) 597(47.71) (012) +(016.3)

SO: Knishnaya Letopis', Vol. 1, 1955

KOROTKIJ, L. [Korotkiy, L.] (Szovjetunio)

Organization of statistics in the Muhi Republic. Stat
szemle 42 no. 6;645-647 Je '64.

KOROTKIY M.F.
BESSER, Ya.R., kandidat tekhnicheskikh nauk; KOROTKIY, M.F., inzhener;
SATS, M.N., inzhener.

Concrete work in building the sluices at the Kuybyshev Hydroelectric Power Station. Gidr.stroi. 25 no.9:8-15 O '56. (MLRA 9:11)
(Kuybyshev Hydroelectric Power Station)
(Sluices)

KOROTKIY, P. T.

Calibration

Die for automatic calibration. Stan. i instr. 23, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1952, Uncl.
2

KOROTKIY, S.A.
PETRUSHIN, I.P., inzhener; ZAKHAROV, B.S., inzhener; KOROTKIY, S.A.,
inzhener; MOROZOV, A.P., inzhener.

Remarks on the new regulations concerning the technical operation
of interurban telephone communication lines and repeater stations.
Vest.sviazi 14 no.2:15-16 F '54. (MLRA 7:5)
(Telephone lines)

KOROTKIY, V.F.

Automatic system of reclosing for automatic power feeders
with preliminary testing of the line for short circuits. Rats.
predl. na gor. elektrotransp. no.9:54-57 '64.

(MIRA 18:2)

1. Upravleniye trolleybusa Kalugi.

DUBROVSKIY, Yevgeniy Petrovich; KOROTKIY, S.A., nauchnyy red.;
BYKOVA, I.V., red.; BARANOVA, N.N., tekhn. red.

[Training sites for linemen engaged in welding cables and
work on municipal telephone networks] Uchebnyye poligony dlja
podgotovki kabel'shchikov-spaishchikov i lineinykh monterov
sviazi gorodskikh telefonnykh setei. Moskva, Proftekhizdat,
1962. 163 p. (MIRA 16:4)

(Electric engineering—Handbooks, manuals, etc.)
(Telephone lines—Handbooks, manuals, etc.)

L 8170-66 EWT(1)/EWA(h)

ACC NR: AP5025724

SOURCE CODE: UR/0286/65/000/018/0078/0078

AUTHORS: Korotkiy, V. F.; Ageykin, D. I.

ORG: none

TITLE: A recording device. Class 42, No. 174804

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 18, 1965, 78

TOPIC TAGS: recording system, trigger circuit, information readout

ABSTRACT: This Author Certificate presents a recording device for the reproduction of a frequency signal in the form of a curve. The device contains a recording carrier feed mechanism, a ladder network of the recording electrodes which are positioned perpendicular to the motion of the carrier, a counting circuit for converting the frequency signal to a decimal code, and a control commutator. To trigger the frequency pickup which operates on the basis of interrogation, the device contains a triggering ladder network which consists of a trigger, emitter follower, diodes, and a source of negative bias of the diodes included in the commutator circuit. To obtain a precisely established variable periodicity of the pickup triggering with a fixed duration of the triggering, cut-off, sampling, and

Card 1/2

UDC: 681.2.087.654.94

19
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L 8170-66

ACC NR: AP5025724

information recording, the triggering circuit includes a regulated delay of the start of the pickup triggering. This regulated delay consists of a counter and a diode circuit for establishing the delay magnitude. To increase the readout precision, the commutator circuit includes a circuit for cutting off the initial section of the electric oscillations of the excited pickups. This cutoff circuit may be made in the form of, for example, counters.

SUB CODE: DP, EC/ SUBM DATE: 10Feb64

jw

Card 2/2

L 37133-66 EWP(k)/EWT(d)/EWP(h)/EWP(l)/EWP(v) GD/BG

ACC NR: AT6008228

SOURCE CODE: UR/0000/65/000/000/0331/0332

AUTHOR: Korotkiy, V. F.

ORG: None

TITLE: Recording units for pickups with frequency output

37
B+1SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki, Tekhnicheskaya kibernetika
(Technical cybernetics). Moscow, Izd-vo Nauka, 1965, 331-332

TOPIC TAGS: recording equipment, information processing, pulse counter, control theory

ABSTRACT: The author describes a recording device for pickups with frequency output. The recording device reads off the parameter discerned by the pickup by means of computing pulses during a given time interval during which pulses are coming from the pickup. The unit then records the read off number on an information carrier. In this way a curve is drawn on the information carrier showing parameter changes. The unit insures linearization of the characteristics of the pickups. A diagram is given showing the components and layout of the recording device. The recording device makes it possible to solve the problems of providing standby pickups having frequency outputs with individual secondary equipment. Orig. art. has: 1 figure.

SUB CODE: 09 / SUBM DATE: 05Nov65

Card 1/1 af

SEGA, V.I., kand.med.nauk (Zaporozh'ye, Sportivnaya ul., d.24, kv.26);
KOROTKIY, V.I.

Acute ileitis. Vest.khir. 83 no.12:93-94 D '59. (NIRA 13:5)

1. Iz khirurgicheskoy kliniki (zav. - prof. I.P. Kaplan) Zaporozh-
skogo instituta usovershenstvovaniya vrachey.
(ILEITIS REGIONAL)

KOROTKIY, V.I.

Single-stage operation for the replacement of the rectum by an
autograft from two sections of the ileum. Klin. khir. no. 1:78-81
'65. (MIRA 18:8)

1. 9-ya Zaporozhskaya gorodskaya bol'nitsa.

L 27271-66 EWT(1)/EWT(m)/T JK

ACC NR: AP6016890

SOURCE CODE: UR/0219/66/61/001/0051/0052

56
B

AUTHOR: Rudakov, V.V.; Korotkiy, V.M.—Korotky, V.M.

ORG: Department of Biochemistryheaded by Corresponding member AMN SSSR, Professor I.I. Ivanov, Military Medical Academy Order of Lenin im. S. M. Kirov, Leningrad (Kafedra biokhimii Voyenno-meditsinskoy ordena Lenina akademii)

TITLE: ¹⁹ Effect of ionizing radiation on the nucleic acid content in mitochondria of the rat liver

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 61, no. 1, 1966, 51-52

TOPIC TAGS: radiation biologic effect, ionizing radiation, RNA, rat, liver, DNA, x ray irradiation, electron microscopy, protein

ABSTRACT: Experiments were carried out to determine the effect of ionizing radiation on the ribonucleic acid (RNA) content in the mitochondria of rats' livers two hours after the animals were irradiated with x-rays in doses of 1,500 and 2,000 r. The RUM-3 apparatus was used to irradiate the rats; the mitochondria were isolated by the method of differential centrifugation with 0.25 M saccharose at a temperature of 2-4 degrees. The purity of the fraction obtained was checked with the help of electron microscopy and a qualitative reaction to deoxyribonucleic acid (DNA)

UDC: 612.35.014.1.014.482

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L 27271-66

ACC NR: AP6016890

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with diphenylamine; the nucleic acid content was determined by the A. S. Spirin method, and was calculated on a basis of one protein milligram of the mitochondrial fraction. Two series of experiments were carried out. In the first series the RNA content in the mitochondria of the control animals was established at 20.6 ± 1.02 micrograms per one protein milligram. In the second series of the experiments the rats were subjected to x-ray irradiation with doses of 1,500 and 2,000 r. The modifications of the RNA content in the mitochondria of the irradiated animals were similar in both cases, and equaled 38.9 ± 5.68 micrograms per one milligram of the mitochondrial protein, an increase of 88.8 percent over that of the control animals. This paper was presented by Active member AMN SSSR I.R. Petrov. [JPRS]

SUB CODE: 06, 20 / SUBM DATE: 16May64 / ORIG REF: 005 / OTH REF: 005

Card 2/2 CC

BOBROVSKIY, Viktor Iosifovich; GRIDINA, Lidiya Vasil'yevna; BAS~~S~~IN,
Grigoriy Samoylovich; KOBLOV, G.Ya., kand. fil. nauk, dots.,
red.; KOROTKIY, V.M., red.; TIKHONOVA, Ya.A., tekhn. red.

[A course of English for seamen] Kurs angliiskogo iazyka dlia
morskikh uchilishch. Moskva, Izd-vo "Morskoi transport,"
1962. 394 p. (MIRA 16:6)

(English language--Technical english)
(Naval art and science--Terminology)

SHISHOV, V.S.; KOROTKIY, Yu.G.

Calculating kinetic energy of an airplane absorbed by wheel brakes
during the running. Izv.vys.ucheb.zav.; av.tekh. 4 no.4:149-155
'61. (MIRA 15:2)

1. Moskovskiy aviatsionnyy institut, kafedra 103
(Airplanes--Brakes)

KOROT'KO, G. F.

"The Problem of the Interconnection Between the Motor and Secretory Functions of the Canine Stomach." Cand Biol Sci, Central Asian State U, Tashkent, 1954.
(RZhBiol, No 3, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (14)

KOROT'KO

USSR/Human and Animal Physiology - Nervous System.

R-12

Abs Jour : Referat Zhur - Biologiya, No 16, 1957, 71104

Author : Varshavskiy, Sadykov, Karimov, Korot'ko

Title : The Influence of Excitation of Bladder Baroreceptors on the Work Capacity of Skeletal Muscles.

Orig Pub : Za soc. zdravookhr. Usbekistana, 1956, No 1, 91-92

Abstract: To four people with bladder stomas caused by adenoma of the prostate gland, 10 ml of 0.1% solution of rivanol was introduced into the bladder thru the urinary canal in one case under pressure, before micturation urge; in the other- without an increase in bladder pressure (control group). Simultaneously the work capacity of the muscles was studied from data obtained by ergographic and dynamometric methods. The bladder distension caused a decrease in the work capacity of the human skeletal muscles.

Card 1/1

- 76 -

KOROT'KO, G.P.

Mechanism of the change in the secretory function of the
stomach following exposure to sunlight at high temperatures.
Izv.AN Uz.SSR.Ser.med. no.2:45-49 '58. (MIRA 12:5)

1. Andishanskiy gosudarstvennyy meditsinskiy institut.
(STOMACH--SECRECTIONS) (HEAT--PHYSIOLOGICAL EFFECT)

KOROT'KO, G.P.

Some mechanisms of the evacuatory activity of the stomach in
dogs under conditions of high external temperature and solar
radiation. *Med.shur.Uzb.* no.7:46-50 Jl '58. (MIRA 13:6)

1. Iz kafedry normal'noy fiziologii (zav. - prof. A.S. Sadykov)
Tashkentskogo gosudarstvennogo instituta i kafedry normal'noy
fiziologii (zav. - kand.biolog.nauk G.P. Korot'ko) Andizhansko-
go gosudarstvennogo meditsinskogo instituta.
(STOMACH) (HEAT--PHYSIOLOGICAL EFFECT)

KOROT'KO, G.P.; SMIRNOVA, O.I.

Gastric secretion and the bactericidal action of the gastric juice under high external temperature and solar radiation.
Med.zhur.Uzb. no.8-9:79-83 Ag-S '58. (MIRA 13:6)

1. Iz kafedry normal'noy fisiologii (sav. - G.P. Korot'ko)
i mikrobiologii (sav. - M.V. Los') Andishanskogo gosudarstvennogo meditsinskogo instituta.
(GASTRIC JUICE) (HEAT--PHYSIOLOGICAL EFFECT)

KOROT'KO, G. F. Doc Biol Sci -- (diss) "Peculiarities of the secretory and evacuation-motor activity of the stomach under conditions of high external temperature and insolation (Experimental study)." Tashkent, 1959. 32 pp (Min of Health UzSSR. Tashkent State Med Inst), 250 copies. List of author's works pp 31-32 (12 titles) (KL, 44-59, 126)

GILINSKIY, Ye.Ya.; KOROT'KO, G.F.

Additional materials on the mechanism of changes in the activity of the stomach due to high external temperature and exposure to solar radiation (neurological investigation). Izv.AN Uz.SSR.Ser.med. no.3:29-32 '59. (MIRA 12:8)

1. Andizhanskiy gosmedinstitut, kafedra normal'noy fiziologii.
(STOMACH--SECRECTIONS) (HEAT--PHYSIOLOGICAL EFFECT)
(SOLAR RADIATION--PHYSIOLOGICAL EFFECT)

KOROT'KO, G.F.

Changes in some indexes of stomach secretion at high temperatures
and in exposure to sunlight. Izv. AN Uz.SSR. Ser.med. no.4:29-30
'59. (MIRA 12:12)

1. Andizhanskiy gosudarstvennyy meditsinskiy institut.
(STOMACH--SECRETIONS) (HEAT--PHYSIOLOGICAL EFFECT)

KOROT'KO, G.F., doktor med.nauk

Influence of high external temperature and solar radiation on the excretion of uropepsin. Med. zhur. Uzb. no.5:34-38 My '61.
(MIRA 14:6)

1. Iz kafedry normal'noy fiziologii Andizhanskogo gosudarstvennogo instituta.

(HEAT-PHYSIOLOGICAL EFFECT)
(SOLAR RADIATION-PHYSIOLOGICAL EFFECT) (UROPEPSIN)

KOROT'KO, G.F., doktor med.nauk

Role of the sympathetic nervous system in changes in gastric secretion
under conditions of high external temperatures and exposure to sunshine.
Med. zhur. Uzb. no.8:74-80 Ag '61. (MIRA 15:1)

1. Iz kafedry normal'noy fiziologii Andizhanskogo gosudarstvennogo
meditsinskogo instituta.
(NERVOUS SYSTEM, SYMPATHETIC) (STOMACH SECRETIONS)
(HEAT PHYSIOLOGICAL EFFECT)

KOROT'KO, G.F.

Correlation between pepsinogen secretion and incretion. Fiziol.
zhur. 47 no.9:1149-1155 S '61. (MIRA 14:9)

1. From the Department of Normal Physiology Medical Institute,
Andijan.
(PEPSINOGEN)

YUNUSOV, A.Yu.; KOROT'KO, G.F.; SHRAMKOVA, G.A., red.; TSAY, A.A.,
tekhn. red.

[Functions of the digestive organs in a hot climate] Funktsii
organov pishchevareniiia v zharkom klimate. Tashkent, Medgiz
UzSSR, 1962. 223 p. (MIRA 15:11)
(DIGESTION) (HEAT-PHYSIOLOGICAL EFFECT)

L 00961-66

ACCESSION NR: AP5018537

UR/0242/65/000/005/0047/0052

18B

AUTHOR: Korot'ko, G. F.

TITLE: Urea excretion by the stomach and pyloric activity under the conditions of high ambient temperature and insolation

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 5, 1965, 47-52

TOPIC TAGS: physiology, urea

ABSTRACT: Pyloric excretion and secretion was studied in 6 dogs with isolated pylorus and maximum preservation of innervation after exposure to high temperatures and insolation. The first (control) series of experiments were performed in a room with a mean ambient temperature of 25° C. In the second series, the animals were kept in a room for several hours, then brought out into a sunny place for an hour and fed. In the third series, the animals were kept in the sunny place at basal metabolism for several hours, after which they were moved into the shade and fed. No significant difference was noted between the volume of pyloric secretion at basal metabolism in the shade and in the sunny place. Feeding the animals while in the sun (second series) reduced the volume of pyloric secretion, but less than in the

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L 00961-66

ACCESSION NR: AP5018537

control. The total volume of secretion in the control series after feeding differed little from that in the experiments in the sunny place. Feeding the animals in the shade after insolation produced somewhat greater inhibition of pyloric secretion than in the control. Feeding the animals reduced the concentration of urea in the secretion and decreased the rate of urea excretion because the amount of pyloric secretion decreased during feeding. High ambient temperatures and insolation also reduced the pepsin concentration of the gastric juice and decreased the rate of pepsinogen secretion proportionately. Feeding the animals in the sunny place increased the pepsinogen concentration of the juice, but frequently reduced the rate of excretion. Orig. art. has: 2 tables.

ASSOCIATION: Kafedra normal'noy fiziologii Andizhanskogo meditsinskogo instituta
(Department of Normal Physiology, Andizhan Medical Institute)

SUBMITTED: 15Apr64

ENCL: 00

SUB CODE: LS

NO REF SOV: 005

OTHER: 000

Card 2/2

USSR/Human and Animal Physiology. Thermoregulation.

T-3

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55382.

Author : Korot'ko, T.F.

Inst :

Title : The Changing Speeds in Evacuating Various Reaction
Solutions from the Stomach at High Air Temperatures
and at Solar Radiation.

Orig Pub: Za sots. zdravookhr. Uzbekistana, 1956, No 3, 44-48.

Abstract: Dogs suffering from a stomach fistula were tested with the method of Basov. Twenty-two to 24 hours after feeding, the stomach of the dogs was washed out with warm water. The evacuation (E) speed was determined by filling the stomach with 200 ml of the solution being tested (warmed to 35-37° [C]) and then measuring the volume of the solution which has

Card : 1/3

MEDVEDEV, Yu.A. (Khabarovsk); P'YANKOV, V. (Khabarovsk); KOROTKOVICH, S.
(Khabarovsk)

Observation of partial lunar eclipse of March 2, 1961.
Astron.tsir. no.220:8-9 A, '61. (M.R. 14:10)
(Eclipses, Lunar--1961)

1. V. P. KOROTKORUCHKO

2. USSR (600)

4. Breakwaters

7. Stability against the breaking-up of impermeable reinforcements of up-stream earth dam slopes. Gidr. stroi. 21 no. 11. 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

KoROT KORUCH Ko, V. P.

The activating character of certain compounds upon enzymic conversion of dehydroascorbic acid into diketogulonic acid. V. P. Korotkoruchko (Inst. Biochem., Acad. Sci. Ukr. SSR, Kiev). *Ukrain. Biokhim. Zhur.* 22, 28-35 (1950) (Russian summary); cf. *C.A.* 43, 6522g. EtOAc and BuOAc activate nonenzymic conversion of dehydroascorbic acid (I) into diketogulonic acid (II). Malic and citric acids activate enzymic conversion of I into II. Citric acid competitively inhibits phosphoglyceric acid action on the enzymic conversion of I into II. There is observed in pure buffer solns. reciprocal activation of I conversion into II and hydrolytic splitting of inorg. P from adenosinetriphosphate. Other P compds., phosphoglyceric acid, hexose diphosphate, hexosemonophosphate and glycerophosphate, did not show any effect on the nonenzymic conversion of I into II. Clayton F. Holloway ...

The synthesis of purines and their nature in tissues of healthy and carcinomatous animals. M. F. Gulyi and V. P. Korotkoruchko (Inst. Biochem., Acad. Sci. Ukr. SSR., Kiev). *Ukrain. Biokhim. Zhur.* 23, 327-340 (1951); cf. *Ibid.*, 22, 36 (1950).—Liver homogenates of normal rabbits at incubation temp. synthesize basic xanthopurines, such as adenine and to a lesser degree guanine and xanthine (livers of normal birds synthesize oxypurines). Hypoxanthine remains unchanged. Uric acid may be reduced, remain unchanged, or increase. Allantoin is increased. The liver homogenates of carcinomatous rabbits (Brown-Pearce) in these expts. generally brought about a breakdown of the purines. A lessening in the purine N occurred mostly at the expense of adenine, to a lesser degree at the expense of a fraction of guanine-xanthine and uric acid. Hypoxanthine remained unchanged. The increase in the allantoin was insufficient to equate the quantity of broken-down purine bases. B. S. Levine

B. S. Levine

1

KOROTKORUCHKO, V.P.; HULYY, M.F.

Synthesis of purine-containing compounds in tissues of healthy animals and
those sick with malignant tumors. Ukr.biokhim.zhur. 24 no.4:434-441 '52.
(MLRA 6:11)

1. Instytut biokhimiyi Akademiyi nauk Ukrayins'koyi RSR, Kyyiv.
(Purine) (Cancer) (Tissues)

USSR/Biology - Proteins Jan/Feb 53

"Concerning the Article 'Synthesis of Proteins' by
S. Ye. Bresler," (V. P. Korotkoruchko, Kiev,
reviewer)

Biokhim, Vol 18, No 1, pp 130-136

Review is an exhaustive criticism of an article
which appeared in Voprosy Filozofii, No 3, 1951,
pp 82-94. The reviewer accuses Bresler of de-
viating from the theories of dialectical ma-
terialism and of presenting theories which are in
direct contradiction to his own (Bresler's) exptl

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data. He quotes Bresler as denying the existence
of polypeptides in living tissue and accuses him of
disregarding the effects of environment on the
synthesis of proteins. His general conclusion is
that Bresler has brought considerable confusion to
the accepted ideas on the biological synthesis of
proteins.

257T3

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910013-3

BRESLER, S.E. (Leningrad); KOROTKORUCHKO, V.P.

Reply to the article of V.P.Korotkoruchko. Biokhimiia 18 no.3:371-375
My-Je '53. (Proteins) (Korotkoruchko, V.P.) (MLRA 6:7)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910013-3"

KOROTKORUCHKO, V. P.

Xanthine oxidase of the liver in healthy and carcinomatous animals. V. P. Korotkoruchko [Inst. Biochem., Acad. Sci. Ukr.S.S.R., Kiev]. *Ukrain. Biokhim. Zhur.* 25, 173-82 (in Russian, 183) (1953).—Xanthine activated the respiration of healthy rabbit-liver tissues (I), healthy liver of carcinomatous (Brown-Pearce) rabbits (II), and carcinomatous liver (III). Hypoxanthine retarded I had little or no effect on II, and activated the uptake of O by III; guanine activated all 3, and xanthine with methylene blue had the same effect; adenine behaved as hypoxanthine. The substrates were one of the limiting factors of endogenous respiration, and while the dehydrogenase activity of xanthine oxidase was maintained at a high level in the tissues of all 3, the O uptake capacity of the enzyme system in the diseased liver dropped sharply.
B. Gutoff

KOROTKORUCHKO, V.P.

Conference on zootechnical biochemistry. Ukr.biokhim.zhur. 25 no.3:361-362
'53. (MLRA 6:8)
(Biochemistry) (Veterinary physiology)

KOROTKORUCHKO, V.P.

Certain qualitative characteristics of metabolism in malignant tumors. Medich.shur.24 no.3:103-110 '54. (MLRA 8:10)

1. Institut biokhimii Akademii nauk URSR.
(NEOPLASMS, metabolism in)

KOROTKORUCHKO, V.P.

Ivan Horbachevs'kyi; on the 100th anniversary of his birthday.
Ukr. biokhim. zhur. 26 no.2:209-212 '54. (MLRA 7:6)
(Horbacheva'kyi, Ivan, 1854-)

KEROKORECHKO, V. P.

USSR

A method for the purification of xanthine oxidase of the liver of healthy animals and of animals having malignant tumors. V. P. Kerokorechko. *Ukra. Biokhim. Zhur.* 26, 363-73 (in Russian); 373-4 (1951); cf. C.A. 45, 7166A. Liver of normal rabbits and of rabbits having exptl. Brown-Pearce carcinomas constituted the material under study. High-purity xanthine oxidase (I) of the liver was prep'd. by the comparatively simple procedure described. Highly purified preps. of I were free from aldehydease activity. This points to the separate identity of the 2 enzymes which could not be seprd. by the procedures used heretofore. The claim that adenine is oxidized by I was substantiated. In the early stages of the purification of I the oxidation activity is completely lost. Aldehydease and purine oxidase activity of liver preps. at different stages of purification of I is different in normal rabbits from that of rabbits with exptl. carcinomas. During the storage of I at -2 to -5° exp'tl. formation of crystals was observed. R. S. Levine

Int. Biochem. AS USSR

Name: KOROTKORUCHKO, Vasiliy Pavlovich

Dissertation: Exchange of purines in tissues of healthy and
tumorous animals

Degree: Doc Biol Sci

Affiliation: Inst of Biochemistry Acad Sci UkrSSR

Defense Date, Place: 19 Jun 56, Council of Kiev State U imoni Shevchenko

Certification Date: 29 Mar 57

Source: EMV0 14/57

KOROTKORUCHKO, V.P., kandidat biologicheskikh nauk

"Present-day problems in oncology"; collection of articles, reviews
and abstracts from foreign periodical literature. Vop.onk. 2 no.4:
488-490 '56.
(TUMORS)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910013-3

100-700-
TVERUCHKO, V.P.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R000824910013-3"

KOROTKORUCHKO, V.P., MATVEYEVA, M.D. [MATVIEIEVA, M.D.]

Mature of the polyvalent action of xanthine oxidase preparations from the liver of healthy and tumorous rabbits [with summary in English]. Ukr.biokhim.shur. 30 no.2:248-258 '58 (MIRA 11:6)

1. Institut biokhimii AM URSR, Kiiv.
(XANTHINE OXIDASE)
(CANCER)
(LIVER)

KOROTKORUCHKO, V.P.

Sedimentation test for the diagnosis of Brown-Pearce carcinoma [with
summary in English]. Ukr.biokhim.zhur. 30 no.4:597-603 '58
(MIRA 11:9)

1. Institut biokhimii AN USSR, Kiyev.
(CANCER--DIAGNOSIS)

KOROTKORUCHKO, V.P.

Effect of protein deficiency on the activity of xanthine oxidase
and aldehyde oxidase in rabbit tissues [with summary in English].
Ukr.biokhim.shur. 30 no.6:815-830 '58. (MIRA 11:12)

1. Institut biokhimii AN USSR, Kiyev.
(XANTHINE OXIDASE) (ALDEHYDE OXIDASE)
(PROTEINS IN THE BODY)

KOROTKORUCHKO, V.P. (Kiyev)

Purine amount and metabolism in tissues of tumorous animals.
Usp.sovr.biol. 45 no.3:272-285 My-Je '58 (MIRA 11:8)
(NEOPLASMS, metabolism,
purines, review (Rus))
(PURINES, metabolism,
neoplasms, review (Rus))

BELITSER, Vladimir Aleksandrovich [Bielitser, V.O.], akademik;
KOROTKORUCHKO, V.P., doktor biolog.nauk, glavnnyy red.

[Protein, the basis of life] Bilok - osnova zhyttia.
Kyiv, 1959. 28 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koj RSR. Ser.5, no.21)
(MIRA 13:2)

1. Akademiya nauk USSR (for Belitser).
(PROTEIN METABOLISM)

KOROTKORUCHKO, Vasiliy Pavlovich; GULYI, M.P., akademik, otv.red.;
GRUDZINSKAYA, O.S., red.izd-va; RAKHLINA, N.P., tekhn.red.

[Purine metabolism in tissues of healthy and tumorous animals]
Obmen purinov v tkaniakh zdorovykh i porashennykh opukholiami
zhivotnykh. Kiev, Izd-vo Akad.nauk USSR, 1959. 227 p.
(MIRA 12:5)

1. AM USSR (for Gulyi).
(PURINE METABOLISM)

KOROTKORUCHKO, V.P., doktor biol.nauk

Brochure on two trends in biology ("For materialism in biology"
by T.D. Lysenko and N.I. Nushdin. Reviewed by V.P. Korotkoruchko).
Nauka i shyytia 9 no.3:61-62 Mr '59. (MIRA 12:4)
(Biology--Philosophy)

KOROTKORUCHKO, V.P.

Guanase activity in tissues of healthy and tumorous animals. Ukr.
biokhim..shur. 31 no.4:504-511 '59. (MIRA 13:1)

1. Institute of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., Kiev.
(GUANASE) (CANCER)

KOROTKORUCHKO, V.P.; PICHENOVA, T.M., studentka

Functional interrelations of xanthine oxidase and aldehyde oxidase.
Ukr.biokhim.zhur. 31 no.5:654-664 '59. (MIRA 13:4)

1. Institut of Biochemistry of the Academy of Sciences of the Ukrainian
ian S.S.R., Kiev.
(XANTHINE OXIDASE) (ALDEHYDE OXIDASE)

KOROTKOKUCHKO, V.P.

Effect of protein deficiency on the activity of xanthine oxidase
and aldehyde oxidase in tissues of healthy and tumorous rats.
Ukr.biokhim.zhur. 32 no.3:346-357 '60. (MIRA 13:6)

1. Institute of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., Kiev.
(XANTHINE OXIDASE) (ALDEHYDE OXIDASE) (TUMORS)

KOROTKORUCHKO, V.P.

Some physicochemical characteristics of serum proteins in malignant growths. Ukr. biokhim. zhur. 32 no.5:655-668 '60. (MIRA 14:1)

1. Institut biokhimii Akademii nauk Ukrainskoy SSR, Kiyev.
(CANCER) (BLOOD PROTEINS)

KOROTKORUCHKO, Vasiliy Pavlovich, doktor biolog. nauk; LIPKAN, M.F., doktor biolog. nauk, ptw. red.; TUBOLEVA, M.V. [Tubolieva, M.V.], red.

[Modern concepts of metabolism in the organism] Suchasni uiavlennia pro obmin rechovyn v organizmi. Kyiv, 1961. 47 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.6, no.6)

(MIRA 14:8)

(METABOLISM)

KOROTKORUCHKO, V.P.; DVORNIKOVA, P.D.; ISHCHEMENKO, I.N.; Prinimal uchastiye:
FEDORCHENKO, Ye.Ya.; LEVRESHCHUK, L.N.; FEDOROVA, A.P.;
MALINOVSKIY, Yu.I.

Activity of some glycolytic enzymes in the blood of patients with
cancer. Vop. med. khim. 7 no.3:273-276 My-Je '61. (MIRA 15:3)

1. First Surgical Clinic of the "A.A. Bogomolets" Medical
Institute, and Institute of Biochemistry of the Academy of
Sciences of the Ukrainian S.S.R., Kiev.
(CANCER) (GLYCOLYSIS)

KOROTKORUCHKO, V.P.; GONCHARENKO, O.G. [Honcharenko, O.H.], studentka

Adenase and guanase activity in mammalian tissues. Ukr.biokhim.
zhur. 34 no.5:720-726 '62. (MIRA 16:4)
(ADENASE) (GUANASE)

KOROTKORUCHKO, V.P.; FEDOROVA, A.P. [Fedorova, H.P.]

Physicochemical properties of the serum proteins of rabbits with
Brown-Pearce carcinoma. Ukr.biokhim.zhur. 34 no.1:23-31 '62.
(MIRA 17:5)

1. Institute of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., Kiyev.

KOROTKOVICHKO, V.P.; FEDOROVA, A.P. [Fedorova, N.V.]; ISHCHENKO, I.M.
[Ishchenko, I.M.]

Nature and properties of insoluble serum proteins from cancer patients. Ukr. biokhim. zhur. 36 no.1:32-45 '64.

(MIRA 17:12)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., and Department of Faculty Surgery of the A.A. Bogomolets Medical Institute, Kiyev.

FEDOROVA, A.P. [Fedorova, H.P.]; KOROTKORUCHKO, V.P.

Isolation and study of the fractional nature of specific proteins
of blood serums in carcinomatous rabbits and cancer patients.
Ukr. biokhim. zhur. 36 no.5:654-664 '64.

(MIRA 18:6)

1. Institut biokhimii AN UkrSSR, Kiyev.

KOROTKOV, A. (Knybyshov)

Eliminate shortcomings in organizing flights without aerial
engineers. Grashd.av.13 no.5:33 My '56. (MIRA 9:9)
(Aeronautics, Commercial)

KOROTKOV, A.

Court examines the case....Sov. profsoiuzy 17 no.14:25-26 Jl '61.
(MIRA 14:7)

1. Zamestitel' predsedatelya Kaliningradskogo oblastnogo suda.
(Kalininograd Province--Employees, Dismissal of)
(Trade unions)

85739

9.5400

S/115/60/000/011/005/013
B019/B058

AUTHORS: Gordiyenko, A. I. and Korotkov, A. A.

TITLE: Progress in Time Measurement and the Establishment of New
Methods for Measuring Physical Quantities

PERIODICAL: Izmeritel'naya tekhnika, 1960, No. 11, pp. 24 - 26

TEXT: The importance of accurate time measurement in science and industry is discussed in the introduction. The use of standard-frequency generators is of great importance for increasing the accuracy of chronometers. Capacitor circuits are described as being most suitable for the measurement of small time intervals (up to 10^{-7} sec). Measuring an unknown frequency with a pulse counter and a calibrated timer makes it possible under workshop conditions to determine frequencies with an error of $5 \cdot 10^{-5}$ and even up to $5 \cdot 10^{-7}$. When measuring time-dependent physical quantities, the quantities to be measured are divided into two groups. The first group is directly proportional to the time (oscillation periods, time constants of

Card 1/2

24(6)

AUTHOR: Korotkov, A.A., Engineer

SOV/143-59-4-17/20

TITLE: Axial Forces in Hydrodynamic Couplings

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Energetika,
1959, Nr 4, pp 115-123 (USSR)

ABSTRACT: In the construction of high-speed hydraulic couplings (fluid fly-wheels) the problem arising from the axial forces is of great importance. This article is intended to work on this problem. Experiments were carried out on three types of Soviet hydraulic couplings to find out about the axial forces under varying working conditions. The axial force is the result of the forces, which are applied to the axle from the moving parts which are connected with the axle. The experiments, which were carried out on the three types of couplings, investigated the dependency of the axial forces on the chamber fluid, on the fluid material (oil, glycerene, kerosine), on the frictional resistance, on the number of revolutions of the drying shaft, and on the distance between driving and turbine wheel.

Card 1/3

Axial Forces in Hydrodynamic Couplings

SOV/143-59-4-17/20

The results are each shown in a graph. As a result of his experiments the author comes to the following conclusions. If the speed of the motor wheel alters and the frictional resistance is constant, the axial forces are like the second powers of the speeds of the motor wheel as long as the alteration of the speed does not cause a change in the flow conditions in the clutch case. If the motion of the transmission medium in the clutch case is not steady and the frictional resistance constant, the axial forces may adopt varying values, which are dependent on the respective flow condition, in regard to strength and direction. The axial forces in hydraulic couplings can be reduced to very small values, if the distance between motor and turbine wheel is correctly chosen. The most favorable distance may vary with the changing working conditions. When the couplings are assembled, it is necessary to control the distance between motor and turbine wheel. A variation in the largeness of this distance from the value which was calculated for it may alter the axial forces considerably in regard to ✓

Card 2/3

KOROTKOV, A. A., Cand Tech Sci -- (diss) "Research into axial forces in hydrodynamic clutches." Khar'kov, 1960. 16 pp; (Ministry of Higher and Secondary Specialist Education Ukrainian SSR, Khar'kov Polytechnic Inst im V. I. Lenin); 150 copies; free; bibliography at end of text (10 entries); (KL, 21-60, 124)

KOROTKOV, A.A.

Experimental study of the axial forces of hydrodynamic clutches
with radial blades at partial fillings. Sbor. trud. Inst. gor.
dela AN URSR no.12:106-111 '61. (MIRA 15:11)
(Clutches (Machinery))

KOROTKOV, A.A.

Determining the curves of moments of hydrodynamic clutches with
radial blades at full filling. Sbor. trud. Inst. gor. dela AN
URSR no.12:112-119 '61. (MIRA 15:11)
(Clutches (Machinery))

KOROTKOV, A. A., kand. tekhn. nauk; MORGUN, N. G., kand. tekhn. nauk

Experimental investigation of external characteristics of a
hydrodynamic clutch with discharge openings. Vest. mashinostr.
42 no.12:19-22 D '62. (MIRA 16:1)

(Clutches(Machinery))

KOROTKOV, A.A., kand.tekhn.nauk

Concerning two methods for determining the moment of torque of
a disc in laminar boundary layers. Izv.vys.ucheb.zav.; energ.
5 no.11:105-107 N '62. (MIRA 15:12)

1. Institut gornogo dela AN UkrSSR.
(Fluid dynamics)

KASSIRSKIY, G.I.; PIPIYA, V.I.; SHPUGA, O.G.; KOROTKOV, A.A.

Phonocardiographic symptoms in isolated pulmonary artery
stenosis. Ter. arkh. 35 no.7:94-100 Jl'63 (MIRA 17:1)

1. Iz laboratorii funktsional'noy diagnostiki (zav. - kand.
med. nauk G.G. Gel'shteyn) i otdeleniya vrozhdennykh perokov
(zav. - kand. med. nauk V.I.Burakovskiy) Instituta serdechno-
sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy
rukovoditel' - akademik A.N.Bakulew) AMN SSSR.

PETROVSKIY, B.V., prof.; SOLOV'YEV, G.M., prof.; KOROTKOV, A.A.; REVZIS, M.G.

Treatment of secondary infundibular stenosis. Khirurgiia 40 no.1:
31-39 Ja '64. (MIRA 17:11)

L. Gospital'naya khirurgicheskaya klinika (zav. - deystvitel'nyy
chlen AMN SSSR prof. B.V. Petrovskiy) I Moskovskogo ordinata Lenina
meditsinskogo instituta imeni Sechenova.

KOROTKOV, A.A.; REVZIS, M.G. (Moskva)

Types of pulmonary artery stenosis. Arkh. pat. 26 no.9:35-41
'64. (MIRA 18:4)

1. Gospital'naya khirurgicheskaya klinika I Moskovskogo ordena
Lenina meditsinskogo instituta imeni Sechenova.

KOKOTKOV, A.A.

KOROTKOV, A.A.

Effect of vegetation on the composition of humus in turf-Podsolic
soils [with summary in English]. Pochvovedenie no.8:19-24 Ag '57.
(MIRA 10:11)

1. Leningradskiy sel'skokhozyayatvennyy institut, Kafedra pochvovedeniya.
(Humus) (Podsol)

KOROTKOV, A. A.: Master Agric Sci (diss) -- "The degree of sod development under meadow vegetation on sod-podzolic soils of the European portion of the USSR". Leningrad, 1959. 19 pp (Min Agric USSR, Leningrad Agric Inst), 150 copies (KL, No 11, 1959, 121)

KOROTKOV, A.A.

Effect of meadow vegetation on turf-Podzolic soils. Pochvovedenie
no.9:62-70 S '60. (MIRA 13:9)

1. Leningradskiy sel'skokhozyaystvennyy institut.
(Soil formation) (Pastures and meadows)

KOROTKOV, A.A.

7
New method for determination of dielidin hydrocarbons
in gas. A. A. Korotkov. Sintet. Kuchka 1933, No. 4,
33-34. - The app. is described in detail... It has a gradu-
ated buret for holding the gas and a "reactor" [U-shaped
tube contg. maleic anhydride reacting with the butadiene
of the gas], which is immersed in boiling water to keep
the reagent in a molten state. The upper parts of the
U-shaped tube and the buret are water-jacketed to cool
the gas leaving the reactor and maintain a const. temp.
in the app., outside the reaction zone. The procedure for
carrying out the analysis and the advantages of the app.
are discussed. James Sorrel

APPENDIX - RETROGRADE LITERATURE CLASSIFICATION

CA KOROTKOV, A-A

3

Determination of rubber structures by the method of infrared spectroscopy. M. P. Burgova and A. A. Korotkov (Leningrad Univ.). Izv. Akad. Nauk S.S.R., Ser. Fiz. 14, 403-7 (1960).—The relative no. of bivinyl structures, $\text{CH}_2\text{CH}:\text{CHCH}_2$ and $\text{CH}_2\text{CH}(\text{CH}:\text{CH}_2)$, contained in a polymer mol. can be detd. rapidly by absorption analysis in the infrared. After discussion of the app. (contg. a PbS cell as detector) and of the infrared absorption spectra of biallyl, dimeric bivinyl, bisbutylenes, allyl etc., in methacrylate, styrene, octane, and heptane in CCl_4 soln., it is shown that the measurements made on the first harmonic band at 6114 cm.^{-1} ($:\text{CH}_2$) and 6000 cm.^{-1} ($-\text{CH}=\text{CH}-$) give better results than measurements made on the fundamental band (3000 cm.^{-1}). The no. of vinyl and CH_2 groups in rubber can be detd. from the formula $N(:\text{CH}_2) = \frac{m}{K_{\text{biallyl}}M}$, where K_{biallyl} is the absorption coeff. of 0.01 g./ml. cm. in rubber, K_{biallyl} is the absorption coeff. of a biallyl soln. of the same concn., m the mol. wt. of the monomer in rubber (bivinyl), M the mol. wt. of biallyl, $N(:\text{CH}_2)$ the no. of groups of this type in a mole of biallyl, $N(:\text{CH}_2)$ the no. of $:\text{CH}_2$ groups in the mol. of rubber. The results of sample analysis are in good agreement with results of chem. analysis by the O_2 method. Absorption spectra of isoprene and bivinyl-styrene rubbers in CCl_4 are also given. S. Pakner

-Sci. Res. Inst. Physics,
Leningrad State U.

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KOZOTKOV, A. A.

Sample of volume labeled with name
Sergeant S.P. Mays
Date 1956 1957 & 1958
from 100, 101 and 102

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"APPROVED FOR RELEASE: 06/14/2000

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G. M. Keechhoff

APPROVED FOR RELEASE: 06/14/2000

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KOROTKOV, A. A.

1
Synthesis of benzene labeled with carbon-14
Korotkov and S. P. Mitsengenauer (High Polymer Inst.)

New York 1956, 1509-11.—C¹⁴-labeled C₆H₆ prepd. in 72.8% yield according to Chernov (Technique of Organic Chemistry, Vol. VI, Micro and Semimicro Methods, 1954, 650 pp., p. 148) (37.8%) with minor omission of the concentration step. The appr. was passed through the liquid-vapor mixt. passed through a quartz tube at 740° packed with bucked clay pellets, yielding 33.6% C¹⁴-labeled C₆H₆, b.p. 80°, d₄ 0.8771, $\mu_1^2 1.701$, along with two which were found to be 17.1% and 1.6% deuterium-labeled. The total yield of benzene was 1.0 g. (0.001 mol). The specific activity was 0.189 mc./mil. liter. C¹⁴-labeled benzene with 0.003-mc. activity was also obtained.

G. M. T. [initials]

R.M. [initials]

Effect of microstructure of polyisobutylene

which plays properties of polymerization
with both monomers.

Kosov, A. A.

✓Effect of microstructure of polyisoprene on its properties
A. A. Kogutkina K. B. Prosviryakova I. V. Tsvetkov
Transl. Sci. U.S.S.R. Vol. 10 No. 1 1971
U.S. translation 1971 C.I.T. Inc. New York

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KOROTKOV, A. A., Institute of Macromolecular Compounds, AS USSR, Leningrad

"The Nature of the Active Centres in Polymerisation by Alkaline Catalysts,"
a paper submitted at the International Symposium on Macromolecular Chemistry,
9-15 Sep 1957, Prague.

KOROTKOV, A. A., and BICHESHOKOVA, N. N.

"Copolymerization of styrene and diphenyl," a paper presented at
the 9th Congress on the Chemistry and Physics of High Polymers, 28 Jan-2
Feb, 57, Moscow, Rubber Research Inst.

B-3,064,395

KOROTKOV, A. A., NITZENYENDLER, S. P., and KRASULINA, V.N.

"Polymerization of methylacrylate with butyl-lithium," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 26 Jan-2 Feb 57, Moscow, Polymer Research Inst.

B-3,004,395

KOROTKOV, A. A., and SAMOLETOVA, V. V.

"Polymerization of butadiene with complex catalysts," a paper presented at the 9th Congress on the Chemistry and Physics of High Polymers, 28 Jan-2 Feb 57, Moscow, Rubber Research Inst.

B-3,084,395

KOROTKOV, A. A., MOTOVILOVA, N. N.

"Polymerization with Na-alkyls and structure of the resulting polymers,"
a paper presented at the 9th Congress on the Chemistry and Physics of High
Polymers, 28 Jan-2 Feb 57, Moscow, Rubber Research Inst.

B-3,084,395

KOROTKOV, A. A., CHIKASHIKOVA, N. N., and TRUKIMANOV, L. B.

"Influence of catalyst concentration on the polymerization of isoprene,"
a paper presented at the 9th Congress on the Chemistry and Physics of High
Polymers, 28 Jan-2 Feb 57, Moscow, Rubber Research Inst.

B-3,084,395

KOROTKOV, A. A. and RAKOVA, G. V. (INST. of High-molecular Compounds AS USSR).

"Synthesis of Isoprene Tagged With C¹⁴"

Isotopes and Radiation in Chemistry, Collection of papers of
2nd All-Union Sci. Tech. Conf. on Use of Radioactive and Stable Isotopes and
Radiation in National Economy and Science, Moscow, Izd-vo AN SSSR, 1958, 380pp.

This volume published the reports of the Chemistry Section of the
2nd AU Sci Tech Conf on Use of Radioactive and Stable Isotopes and Radiation
in Sciences and the National Economy, sponsored by Acad Sci USSR and Main
Admin for Utilization of Atomic Energy under Council of Ministers USSR
Moscow 4-12 Apr 1957.

Korotkov, A.A.

AUTHORS: Korotkov, A. A., Trukhmanova, L. B. 20-4-25/52

TITLE: On the Problem of the Nature of the Effect of Complex Catalysts of the Reaction of Polymerization of Vinyl Compounds (K voprosu o prirode deystviya kompleksnykh katalizatorov reaktsii polimerizatsii vinilovykh soyedineniy).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 117, Nr 4, pp. 635-637 (USSR)

ABSTRACT: First, reference is made to several preliminary works dealing with the same subject. The authors studied the pair of monomers styrene- γ -methylstyrene. Toluene served as a solvent in all tests. The ratio of the monomers with a common concentration of these monomers from 1,7 to 2,5 is almost equimolecular. The following catalysts were examined here: ethyl-lithium, triethyl-aluminium, titanium tetrachloride and also a complex catalyst (a product of the interaction of the two latter). Polymerization took place in ampules with a separating wall: The solution of the monomers in toluene was in one division, the solution of the catalyst in the other. The ampule was filled, soldered and then left untouched for half an hour to some hours at room-temperature. With the mixture of the solutions of titanium tetrachloride and triethylaluminium the reaction took place practically instantaneously by forming a

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